

BSI-Inspectorate America
178 Mortland Road
Searsport, Maine 04974
(207)548-6440



QUALITY CERTIFICATE

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|-----------|------------------|----------|------------------|-----------|------------|
| Vessel | SHORE TANK NO. 1 | Port | SEARSPORT, MAINE | Report | SP/04/0819 |
| Customer | SPRAGUE | Date | August 30, 2004 | Reference | |
| Operation | ANALYSIS | Terminal | SPRAGUE | Sample # | 326160 |

Name of material being tested
Description of sample source
Samples Drawn by (company)
Samples Tested by (company)

0.50%

EX. SHORE TANK NO. 1 AFTER DISCHARGE OF KTC 90
INSPECTORATE
INSPECTORATE

| Tests being Performed | Test method | Minimum | Maximum | Sample Source |
|-----------------------|-------------|---------|---------|---------------|
|-----------------------|-------------|---------|---------|---------------|

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|--|-----------------|--|--|---------|
| GRAVITY, API @ 60 F | ASTM D 4052 | | | 13.5 |
| FLASH POINT, F | ASTM D 93 | | | 200+ |
| VISCOSITY, SSF @ 122 F | ASTM D 445/2161 | | | 116.3 |
| POUR POINT, F | ASTM D 97 | | | +32.0 |
| WATER & SEDIMENT, % VOL. | ASTM D 1796 | | | 0.15 |
| SULPHUR, % WT. | ASTM D 4294 | | | 0.478 |
| IRON, % WT. | ASTM D 482 | | | 0.033 |
| VANADIUM, PPM | AA/AE | | | 23 |
| SODIUM, PPM | AA/AE | | | 15 |
| BTU'S/POUND | CALCULATION | | | 18,615 |
| BTU'S/GALLON | CONVERSION | | | 151,284 |
| NITROGEN, % WT. | ASTM D 3228 | | | 0.340 |
| CARBON RESIDUE, % WT. | ASTM D 4530 | | | 8.96 |
| ASPHALTENES, % WT. | IP-143 | | | 2.37 |
| <p>SPRAGUE PROVIDES THE ATTACHED INSPECTION REPORT/ANALYSIS REPRESENTING THE SPECIFICATIONS OF THE PRODUCT AT THE SPRAGUE TERMINAL IN TANK ON THE DATE OF INSPECTION NOTED ON THE CERTIFICATE. THIS ANALYSIS IS PROVIDED TO THE CUSTOMER FOR THE PURPOSE OF ESTABLISHING THE INDEPENDENTLY VERIFIED PRODUCT SPECIFICATION ON A COMPOSITE BASIS IN SPRAGUE'S TERMINAL SHORE TANK AS NOTED ON THE CERTIFICATE. THE INSPECTION REPORT IS NOT TO BE USED FOR ANY OTHER PURPOSE. SPRAGUE DISCLAIMS ANY LIABILITY FOR THE PRODUCT AFTER DELIVERY BY SPRAGUE TO CUSTOMER. SPRAGUE DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR AN INTENDED USE EXCEPT AS MAY BE SPECIFICALLY SET FORTH IN WRITING IN ANY CONTRACT OR TERMS OF SALE BETWEEN SPRAGUE AND A BUYER OF PRODUCT. SPRAGUE ASSUMES NO LIABILITY FOR CLAIMS OR LOSSES THAT MAY ARISE FROM CUSTOMER'S USE OF THIS INSPECTION REPORT/ANALYSIS.</p> | | | | |
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